Abstract of the Disclosure

A method for distributing stream data based on a multi-path scheme using Transmission Control Protocol (TCP) and a computer-readable recording medium for storing a program that implements the method are disclosed. The method includes the steps of: requesting an input unit to transmit stream data; receiving the stream data generated in the input unit based on TCP scheme; assigning the received stream data to a specific channel; confirming a relay that requests stream data transmission of the specific channel; transmitting the stream data to one or more relays that request stream data transmission of the specific channel according to transmission control information of a controller; and receiving the stream data of the specific channel from one of neighboring relays.